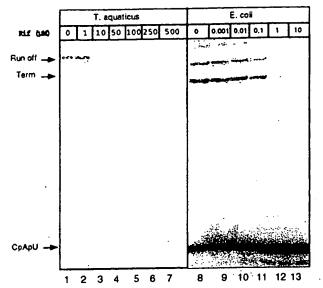
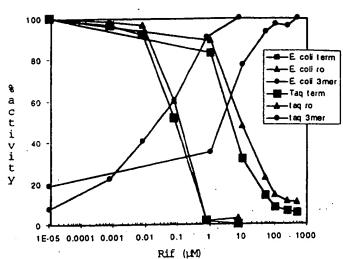
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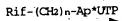
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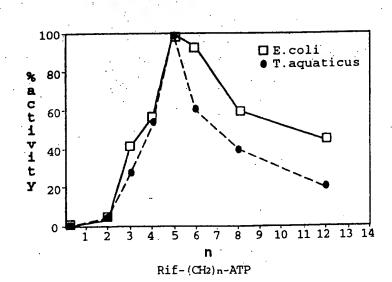




## b

| Pol               | E. coli holo |   |   |   |    |   |   |    |   | Taq holo |   |   |   |   |   |    |  |
|-------------------|--------------|---|---|---|----|---|---|----|---|----------|---|---|---|---|---|----|--|
| Rif-(CH2)n-ATP n= | 0            | 2 | 3 | 4 | 5. | 6 | 8 | 12 | 0 | 2        | 3 | 4 | 5 | 6 | 8 | 12 |  |

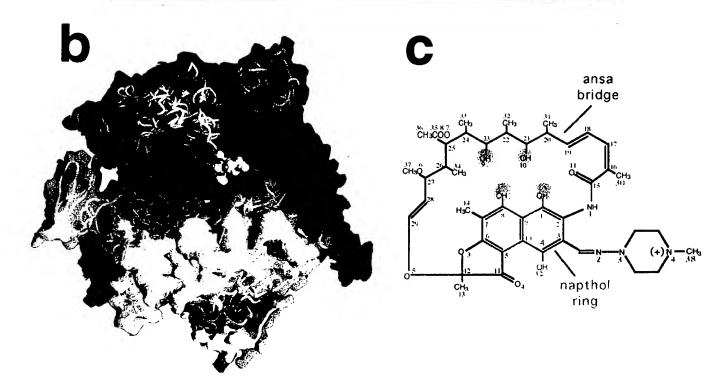




Campbell et al., Fig. 2



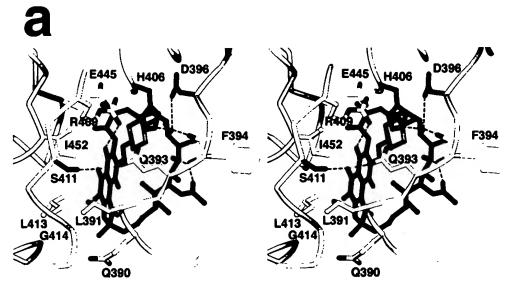




Campbell et al., Fig. 3

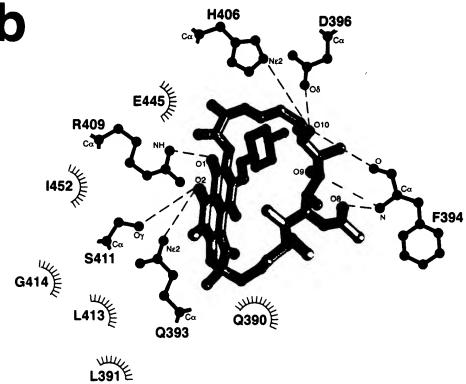
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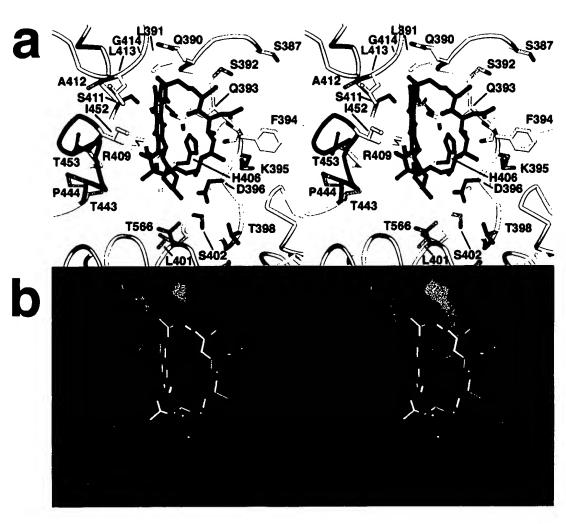
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Campbell et al., Fig. 4





Campbell et al., Fig. 5

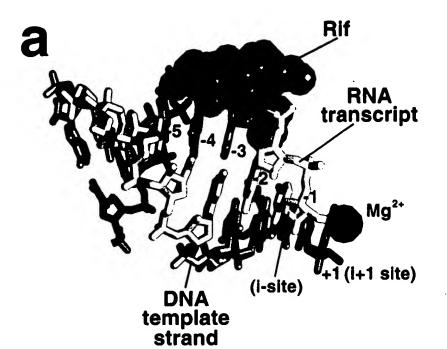


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b

## Minimal scaffold

76543 RNA <sup>5</sup>ÁAAUCGC<sup>3′</sup> AŤŤŤÅĠČĠĠĊŢĢŢŢĄĄĄĢŢ<sup>5′</sup> **T DNA** ÁCAATTTCA<sub>3′</sub> **NT** 

|          |    |   |   |     |   |   |   | E | .col | Pol | , |      |   |   |   |   |  |  |
|----------|----|---|---|-----|---|---|---|---|------|-----|---|------|---|---|---|---|--|--|
| RNA=X nt |    |   | + | Rif |   | • |   |   |      |     |   |      |   |   |   |   |  |  |
|          |    |   |   |     |   |   |   | • | •Rif | •   |   | —Rif |   |   |   |   |  |  |
|          | X= | 3 | 4 | 5   | 6 | 7 | 3 | 4 | 5    | 6   | 7 | 3    | 4 | 5 | 6 | 7 |  |  |
|          |    |   |   |     |   |   |   |   |      |     |   |      |   |   |   |   |  |  |

|    |     |   |             |             |    |    |    | Taq  |    |     |    |    |              |    |    |
|----|-----|---|-------------|-------------|----|----|----|------|----|-----|----|----|--------------|----|----|
|    |     |   | +Ri         |             |    |    |    | A=   |    |     |    |    | Scali<br>NA= |    |    |
|    |     |   | caff<br>NA= | old<br>X nt |    |    | •  | +Ŗĭſ |    |     |    |    | _R           | if |    |
| X= | 3   | 4 | 5           | 6           | 7  | 3  | 4  | 5    | 6  | 7   | 3  | 4  | 5            | 6  | 7  |
|    |     | ÷ |             | <b></b> .   |    |    |    |      | -  | •   |    |    | _            | 3  |    |
|    | Ļ   |   |             |             |    | Ļ  |    |      |    | 0.5 |    | -  | 55           |    |    |
|    | 1 t | 1 | 7 18        | 319         | 20 | 21 | 22 | 23   | 24 | 25  | 26 | 21 | 28           | 29 | 30 |

Campbell et al., Fig. 6



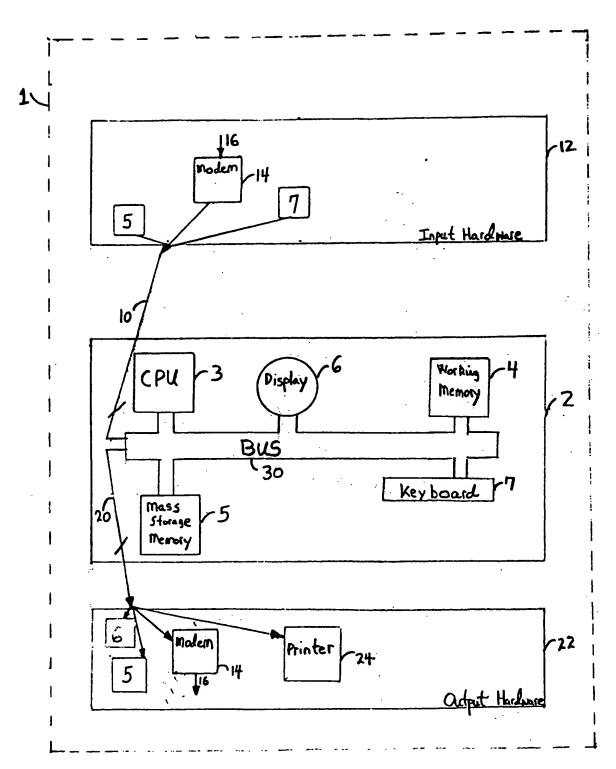


Figure 7